

Amendments to the Specification:

Please replace the paragraph beginning on line 5 to line 6 with the following new paragraph:

Figure 13 shows the nucleotide sequence [SEQ ID NO: 2473] of the SRMN vector pRSM4.

Please replace the paragraph beginning on line 7 to line 8 with the following new paragraph, including the table on the next page:

Figures 14 and 15 show the nucleotide and amino acid sequences of other essential helicobacter genes, as follows:



Gene	SEQ ID for nucleotide sequence	SEQ ID for amino acid sequence	Gene	SEQ ID for nucleotide sequence	SEQ ID for amino acid sequence
HPN165	115	116	HPC034	181	182
HPC001	117	118	HPC036	183	184
HPC042	119	120	HPC039	185	186
HPC065	121	122	HPC048	187	188
HPC066	123	124	HPC050	189	190
HPC074	125	126	HPC056	191	192
HPC083	127	128	HPC059	193	194
HPC084	129	130	HPC063	195	196
HPC104	131	132	HPC068	197	198
HPC115	133	134	HPC069	199	200
HPC120	135	136	HPC070	201	202
HPC130	137	138	HPC076	203	204
HPC133	139	140	HPC091	205	206
HPC143	141	142	HPC094	207	208
HPC144	143	144	HPC095	209	210
HPC152	145	146	HPC099	211	212
HPC155	147	148	HPC101	213	214
HPC165	149	150	HPC107	215	216
HPC183	151	152	HPC110	217	218
HPC186	153	154	HPC117	219	220
HPC188	155	156	HPC129	221	222
HPC190	157	158	HPC132	223	224
HPN013	159	160	HPC137	225	226
HPN048	161	162	HPC149	227	228
HPN091	163	164	HPC161	229	230
HPN132	165	166	HPC169	231	232
HPN137	167	168	HPC172	233	234
HPN172	169	170	HPC174	235	236
HPC004	171	172	HPC176	237	238
HPC010	173	174	HPC180	239	240
HPC012	175	176	HPC187	241	242
HPC013	177	178	HPC189	243	244
HPC024	179	180	HPC191	245	246